LISTING OF CLAIMS

Claims 1-20 are pending. Claims 1, 3, 7 and 9 are amended as shown.

The following listing of claims should replace all previous listings of the claims.

1. (Currently Amended) A method for automatically identifying Call Appearance values from a message exchange over a D channel in a PBX device coupled to multiple ISDN Basic Rate Interfaces (BRIs), said method, for each BRI coupled to the PBX device, comprising the steps of:

      (a)   generating a first call from a first Primary Directory Number (PDN1) to a second Primary Directory Number (PDN2) ~~in the same~~ within a single BRI circuit; and

      (b)   monitoring the message exchange on the D channel to obtain first Call Appearance information.

2. (Previously Presented) A method according to claim 1 further comprising the step of:

      (c)   obtaining said first Call Appearance information from the D channel.

3. (Currently Amended) A method according to claim 2 further comprising the steps of:

      (d)   putting the first call on hold;

      (e)   generating a second call from PDN1 to PDN2 in the [[same]] single BRI circuit; and

      (f)   monitoring the message exchange on the D channel to obtain second Call Appearance information.

4. (Previously Presented) A method according to claim 3 further comprising the step of:

(g)   obtaining said second Call Appearance information from the D channel.

5. (Original) A method according to claim 4 further comprising the step of:

(h)   repeating the steps of putting a call on hold, generating another call, and monitoring the D channel until the generated call results in a busy signal.

6. (Original) A method according to claim 5 further comprising the step of:

(i)   repeating steps a-h with calls being generated from PDN2 to PDN1.

7. (Currently Amended) A PBX device coupled to multiple ISDN Basic Rate Interfaces (BRIs), said PBX device comprising:

(a)   dialing means for generating a first call from a first Primary Directory Number (PDN1) to a second Primary Directory Number (PDN1) ~~in the same~~ within a single BRI circuit; and

(b)   monitoring means for monitoring message exchange on the D channel to automatically obtain first Call Appearance information.

8. (Previously Presented) A PBX device according to claim 7 further comprising:

(c)   capture means for obtaining said first Call Appearance information from the D channel.

9. (Currently Amended) A PBX device according to claim 8 further comprising:

(d)   holding means for putting the first call on hold; and

(e)   repeating means coupled to said dialing means and said monitoring means, wherein upon putting the first call on hold, the repeating means causes the dialing means to generate a second call from PDN1 to PDN2 in the [[same]] single BRI circuit, and causes the monitoring means to monitor the message exchange on the D channel to obtain second Call Appearance information.

10. (Previously Presented) A PBX device according to claim 9 wherein said repeating means is coupled to said capture means and causes said capture means to obtain said second Call Appearance information from the D channel.

11. (Original) A PBX device according to claim 10 wherein said repeating means causes said holding means, said dialing means and said monitoring means to repeat the steps of putting a call on hold, generating another call, and monitoring the D channel until the generated call results in a busy signal.

12. (Original) A PBX device according to claim 11 wherein said repeating means causes said dialing means, said holding means and said monitoring means to repeat the steps of generating a call, monitoring the D channel, putting a call on hold, generating another call, and monitoring the D channel until the generated call results in a busy signal with calls being generated from PDN2 to PDN1.

13. (Original) A PBX device according to claim 7 wherein said dialing means and said monitoring means are embodied in a microprocessor with an associated software program.

14. (Original) A PBX device according to claim 7 wherein said dialing means and said monitoring means are embodied in a field programmable gate array.

15. (Original) A PBX device according to claim 7 wherein said dialing means and said monitoring means are embodied in an application specific integrated circuit.

16. (Original) A PBX device according to claim 7 wherein said dialing means and said monitoring means are embodied in firmware in the PBX device.

17. (Original) A PBX device according to claim 9 wherein said dialing means, said monitoring means, said capture means, said holding means, and said repeating means are embodied in a microprocessor with an associated software program.

18. (Original) A PBX device according to claim 9 wherein said dialing means, said monitoring means, said capture means, said holding means, and said repeating means are embodied in a field programmable gate array.

19. (Original) A PBX device according to claim 9 wherein said dialing means, said monitoring means, said capture means, said holding means, and said repeating means are embodied in an application specific integrated circuit.

20. (Original) A PBX device according to claim 9 wherein said dialing means, said monitoring means, said capture means, said holding means, and said repeating means are embodied in firmware in the PBX device.